



Programme of Proceedings
at the 48th Annual Convention
OF THE
International Association
of Fire Engineers

Toronto
July 26 to July 30
1920



The Convenience of Gas Service

WHEN BUILDING

You want your home to be modern—to have all those many little conveniences that will make it a real home, and a source of constant pleasure to you and your family. By all means include a complete piping system for gas appliances, because this is the time when the work can be done cheapest and easiest.

APPLIANCES

- | | |
|------------------------------------|--|
| THE GAS RANGE | —For year round cleanliness—keeps the kitchen cool and spotless—lightens labor. |
| HOT WATER | —Assure yourself of a constant hot water supply—Storage System—Tank—Automatic. |
| THE INCINERATOR | —Consumes the refuse from smelly garbage cans—means healthy homes. |
| LAUNDRY STOVES
IRONING MACHINES | } —The greatest boon for Wash Day. |
| GAS FIRES | —The Radiantfire composed of special fire clay—radiating heat as the sun does to the earth. The most efficient fire—guaranteed odorless. |
| LIGHTING | —Modern gas fixtures—very artistic designs. We guarantee no discoloration of fixtures, giving a powerful white light. |

“Gas Light—the only light next to Daylight”

Special terms can be arranged

SHOWROOMS

at the Head Office—19 Toronto Street, 2nd Floor

THE CONSUMERS' GAS CO.

OF TORONTO

PROGRAMME *of* PROCEEDINGS

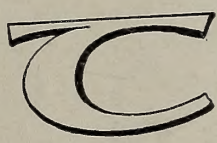
at the

48th ANNUAL CONVENTION

of the

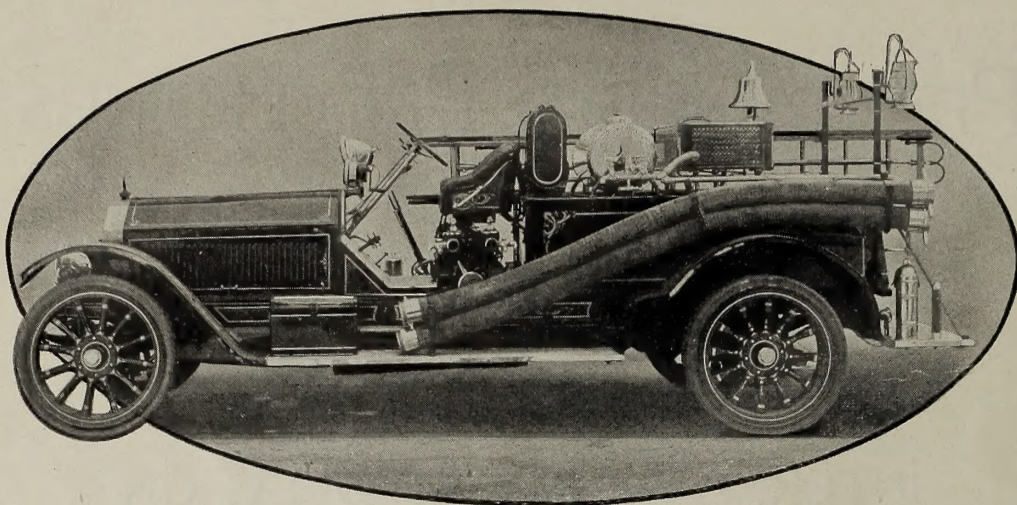
INTERNATIONAL ASSOCIATION

of FIRE ENGINEERS

HE entire proceeds
from advertising
and other repre-
sentation in this
Souvenir Book have been utilized
for entertaining the Visiting Fire
Chiefs and Guests

TORONTO - CANADA

July 26th to July 30th, 1920



SMOKE EATERS

Where there's smoke, there's fire—and where there's fire, you are sure to find American-La France Apparatus in the foreground.

When there is a hard run over rough streets, or a steep uphill pull, American-La France Motor Apparatus is sure to arrive first at the fire. Every part is built oversize to stand strain and the motor develops more than enough power in proportion to the weight carried to enable it to overcome every obstacle.

At the fire, no matter how long the job of pumping at capacity, American-La France Apparatus is at its best. This is proved by the many records which it has established.

AMERICAN-LAFRANCE FIRE ENGINE COMPANY, INC.

ELMIRA, N. Y.

BRANCHES

NEW YORK BOSTON WASHINGTON ATLANTA
DALLAS LOS ANGELES SAN FRANCISCO PORTLAND
PITTSBURG CHICAGO MINNEAPOLIS DENVER

CANADIAN FACTORY: TORONTO, ONT.

LOCAL COMMITTEES

RECEPTION COMMITTEE

T. L. Church, Mayor, Chairman

Controller C. A. Maguire, Vice-Chairman

Controller Jos. Gibbons	Alderman F. R. Maxwell
“ R. A. Cameron	“ F. M. Johnston
“ Jos. G. Ramsden	“ Wm. Hiltz
	“ C. A. Risk
Alderman R. Honeyford	“ F. W. Johnston
“ J. R. Beamish	“ Mrs. C. Hamilton
“ John Winnett	“ A. R. Nesbitt
“ A. W. Burgess	“ C. E. Blackburn
“ Jos. Singer	“ J. Phinnemore
“ J. A. Cowan	“ Brook Sykes
“ W. R. Plewman	“ F. G. I. Whetter
“ Geo. Birdsall	“ F. M. Baker
“ S. Ryding	“ Wm. Miskelly
“ Wm. Maher	“ Donald C. McGregor

GENERAL COMMITTEE

Wm. Russell, Fire Chief, Chairman

W. H. Alderson
 G. E. Thomas
 H. Jones
 W. Musgraves
 E. Minns
 P. Christie
 W. G. Webber
 J. Summers

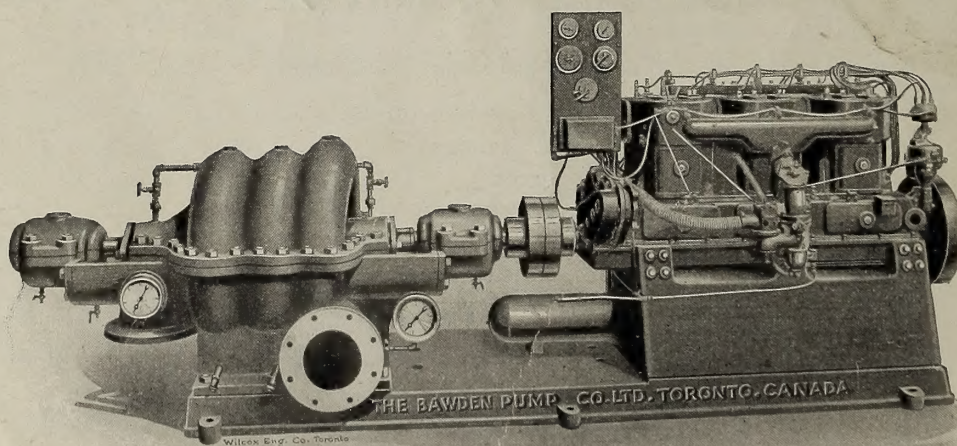
With the Compliments of
The
Toronto General Trusts
Corporation

HEAD OFFICE TORONTO

Branches : Ottawa, Winnipeg, Saskatoon, Vancouver

Compliments of
Bawden Machine Company, Limited

STERLING ROAD - TORONTO

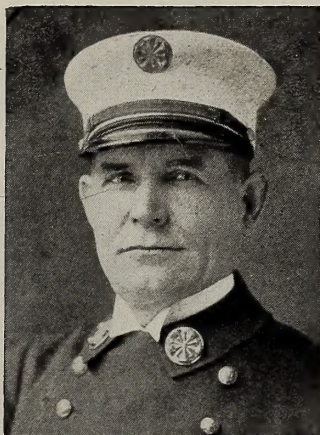


We Solicit Your Enquiries for Fire and Other General Service Pumps

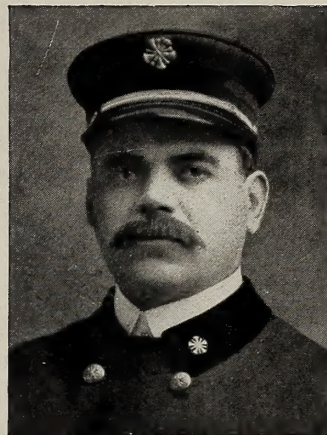
Officers and Directors of the International Association of Fire Engineers



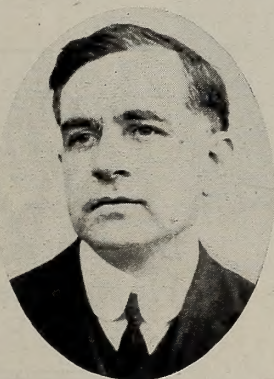
Chief HEALY
Vice President, Denver, Colo.



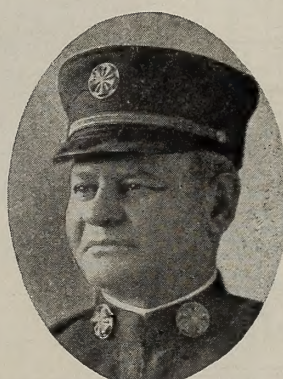
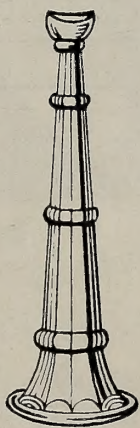
Chief KENLON
President, New York City



Chief REYNOLDS
2nd Vice President, Augusta, VA



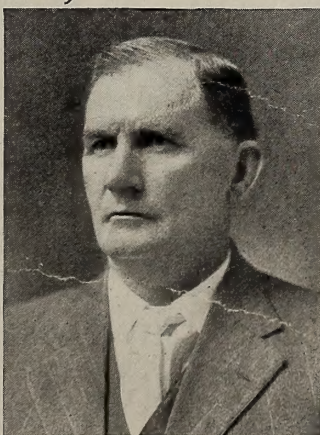
Chief HOEY
Actg Secretary, New York City



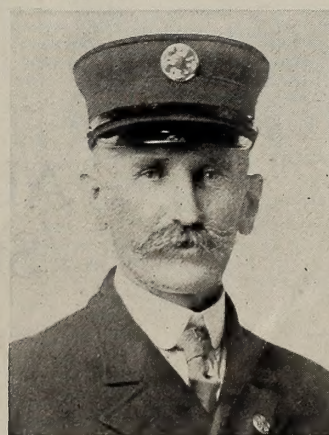
Chief CARTER
Treasurer, Camden, NJ



Chief BYWATER
Director, Salt Lake City, Utah



Chief MAGEE
Director, Dallas, Texas



Chief ARMSTRONG
Director, Kingston, Ontario

For that home-going gift to wife or daughter
take something *characteristically Canadian*

SERVICE, Robert W., is a Canadian, though his works
are now world-famous, and liked by every red-blooded man
and woman.

Choose from SONGS OF A SOURDOUGH
BALLADS OF A CHEECHAKO
RHYMES OF A ROLLING STONE
RHYMES OF A RED CROSS MAN

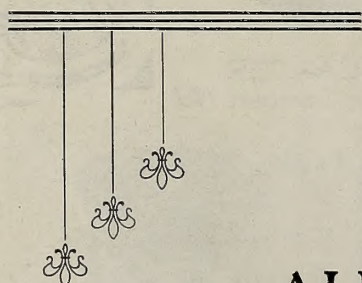
Every Toronto Bookseller has these in various editions

THE RYERSON PRESS

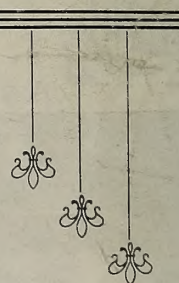
PUBLISHERS

TORONTO

A Cordial Welcome is
Extended to the Visit-
ing Fire Chiefs from---



Distributors of Paige and
Hupmobile Passenger
Cars and Paige Trucks



AUTOMOBILE AND
SUPPLY, LIMITED

100 University Avenue
TORONTO

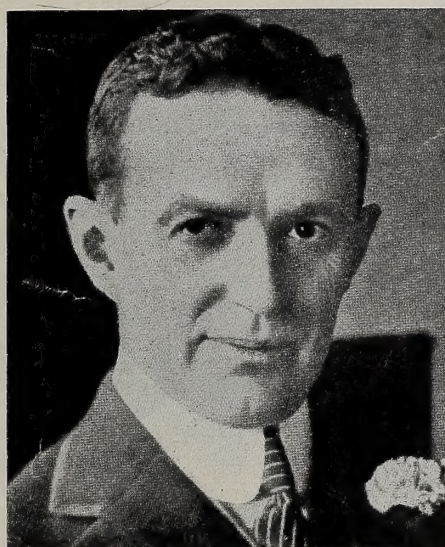
Chairman & Members of the Board of Control TORONTO for 1920



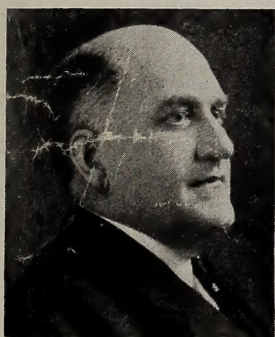
Controller
Chas. Alfred Maguire
Vice Chairman



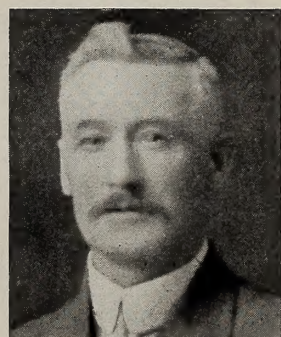
Controller
Robt. A. Cameron



Mayor Thomas
Langton Church K.C.
Chairman



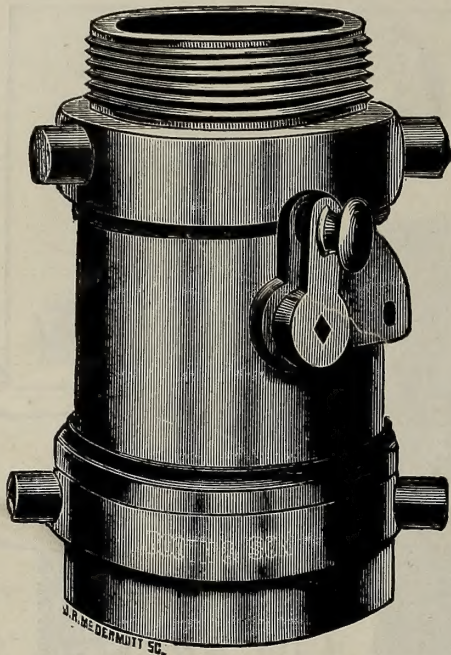
Controller
Joseph George Ramsden



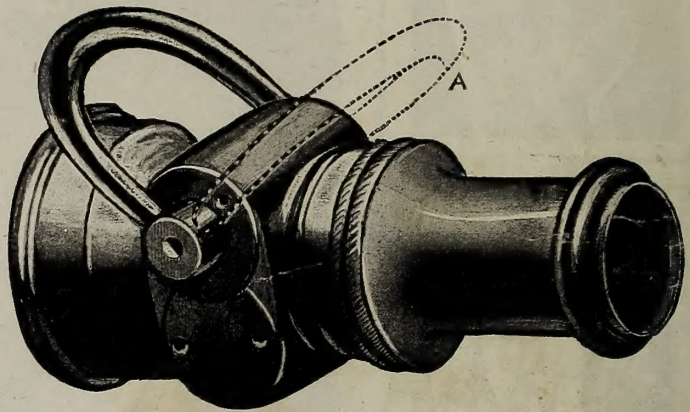
Controller
Joseph Gibbons



WILSON & COUSINS



HYDRANT SHUT-OFF



CALLAHAN NOZZLE

Manufacturers of all kinds of Fire Department Supplies

Hose Couplings - Underwriters Play Pipes
 Hose Branches and Nozzles - Controlling
 Nozzles - Shut-off Nozzles - Cellar Nozzles
 Hose Expanders - Fire Gongs - Hose Racks
 Hose Reels - Thread Gauges - - -

35 McCAUL STREET . . TORONTO

Chief and Officers of Toronto Fire Department 1920



Deputy Chief
George Sinclair

Chief
William Russell

Deputy Chief
Duncan McLean

District Chief
Wm. Corbett

District Chief
J. C. Dunn

District Chief
J. O. Poole

District Chief
W. J. Fox

District Chief
Thomas Tate

District Chief
Frank Mulligan

District Chief
Wm. Davidson

District Chief

George Bell

District Chief
Alex Gunn

District Chief
Thos. R. Jones

Compliments of

ROUS & MANN Limited

172 Simcoe Street
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THE WORLD'S BEST HATS

BORSALINO AND KING

LATEST SHAPES AND COLORS
ASK YOUR DEALER

ANDERSON-MACBETH LIMITED
DISTRIBUTORS - - - TORONTO, CAN.

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The King Suspender and Neckwear Company

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A.C. and D.C.

Motor Repairing and General Contracting

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ESTABLISHED 50 YEARS

Compliments of

Milton Pressed Brick Co. Limited

Manufacturers of

HIGH GRADE BRICK

48 Adelaide Street West
TORONTO

Head Office: Milton, Ont.

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THE TORONTO FIRE DEPARTMENT

IN THE YEAR OF TORONTO'S GREATEST DEVELOPMENT—1920



Headquarters, Toronto Fire Department

OUTSIDE of numerical strength, quarters and equipment, possibly the most valuable asset to a Fire Department is the confidence shown in it by its community.

The Toronto Fire Department is progressing in very close co-operation with the citizens of Toronto.

This is noticeable mostly in circles wherein Firemen are given the greatest amount of work; viz., in the industrial, retail and wholesale sections of the city.

The average business man in Toronto believes in his Fire Department, because he knows its officers are always striving to keep pace with the ever-growing need of greater protection, greater fire-preventive education, and closer co-action between Fire Department Officials and Business Men, especially during this the most vigorous business-building period in the history of the "Queen City."

There is an enthusiasm and pride that belongs to every man connected with this Department.

It is something that makes his work more than mere routine duty.

It cannot be measured in dollars and cents nor in favors or privileges.

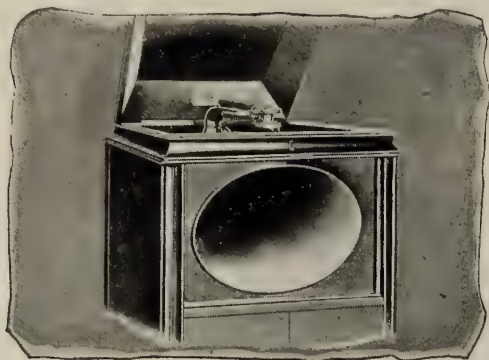
It keeps us mighty close to our job all the time.

It can be summed up in that one word, **CONFIDENCE**—the dependence placed in our ability to stand between our fellowmen and the Demon Fire.

The following data relates to the present organization and practices of the Toronto Fire Department, and is given for the sake of comparison and reference :

Personnel

1	Chief
2	Deputy Chiefs
10	District Chiefs
45	Captains
45	Lieutenants
375	Firemen
1	Superintendent of Fire Alarm
1	Assistant Superintendent of Fire Alarm
4	Linemen
4	Telephone Operators
1	Superintendent of Engines
7	Engineers
8	Assistant Engineers
1	Motor Mechanic
3	Helpers
1	Secretary
1	Accountant
1	Storekeeper
1	Messenger
5	Fire Prevention Inspectors
1	Janitor
1	Stenographer



Judge By The Tone— —that is the way to select a Phonograph

All makes of phonographs are not alike. Phonographs differ because of different methods of reproduction. Each make has its method. But time has brought many advancements. New-day phonographs bring all that is best.

The House of Brunswick has introduced several dominant betterments. First came The Ultona, our all-record reproducer. It brought a phonograph that would play all records at their best. Previously, each phonograph favored only its own make of records. That meant limitations or bothersome attachments to the records.

At a turn of the hand The Ultona presents the proper needle, the proper diaphragm, the exact weight. No makeshift attachments are necessary, no compromises in tone results. The Ultona brings out all the shadings of reproduction for transmittal to the amplifier.

Here, again is a new conception. We introduced an all-wood, moulded, oval amplifier, connecting directly with the tone arm, with no cast metal throat between.

This brings full tones, non-metallic. It conforms with acoustic laws. It brings a new naturalness, greater reality. Our aim is for finest tone.

So we ask you to hear The Brunswick first—before you decide. You'll recognize instantly its betterments. Your idea of tone will change. You will realize that great advancements have taken place.

We suggest also that you hear Brunswick Records, which likewise bring improvements. You'll want to add some to your collection. Brunswick Records can be played on any phonograph with steel or fibre needles.

We will be glad to play this super-instrument for you—so that you will know by comparison that it offers new delights.

THE MUSICAL MERCHANDISE SALES CO

TORONTO

MONTREAL

WINNIPEG

819 Yonge Street

Toronto



MADE IN CANADA

'Ever-Ready' Safety Razor

The Safety Razor with the Greatest Number of Users
The basis of each 'Ever-Ready' razor is the 'Ever-Ready' frame and Radio blades, irrespective of whether it is the standard outfit or the more elaborate service combination. Greater price could not improve the efficiency of the 'Ever-Ready' safety razor. Complete \$1.50

'Ever-Ready' Shaving Brushes

The 'Ever-Ready' is the nearest approach to indestructible shaving brush construction.

The least priced 'Ever-Ready' brushes are sterilized—are hygienically cleaned.

The 'Ever-Ready' brush is not alone a quality brush but it is a safe brush. The 'Ever-Ready' shaving brush is sold at popular prices—from 40c. to \$8.00.

Ever-Ready Safety Razor Co., Limited
Britain and Sherbourne Streets
TORONTO - CANADA



The total numerical strength of the Department is 522, in this city occupying an area of 32 square miles, and containing population of 500,000.

There are 29 Fire Stations, containing 54 pieces of Fire Apparatus in commission, 50% of which is gasoline-driven equipment.

This Department operates on the Two-Platoon System, which was inaugurated in 1918, the Day Shift working from 8.00 a.m. to 6.00 p.m., and the Night Shift from 6.00 p.m. to 8.00 a.m., changing every sixth day, with the Day Shift working 24 hours.

Legislation was passed this year allowing every Fireman one day off in seven, the Act becoming operative on January 1st, 1921.

This will mean the need of more men, at an estimated cost of about \$225,000

SALARIES

1st and 2nd year Firemen	\$1,452.00	per annum
3rd "	1,572.00	"
4th "	1,692.00	"
5th "	1,812.00	"
Engineers	1,812.00	"
Assistant Engineers	1,752.00	"
Captains	2,052.00	"
Lieutenants	1,872.00	"

Each man is supplied with uniform clothing and rubber clothes, which for this year cost the city \$39,000.00. Annual vacation of 15 days is allowed with pay to each member. Full pay is granted while off duty owing to sickness or accident. In connection with the Department are two Relief Funds, namely the Firemen's Permanent Relief Fund, which was inaugurated in 1902 by the City and local merchants, to provide for the dependents of any fireman killed in discharge of his duties. At the present time there are only eight



Cowan Avenue Fire Station

beneficiaries. The original amount of the Fund amounted to \$54,000.00. It is now \$68,000.00. We also have what is called the Toronto Fire Department Superannuation and Benefit Fund. All active members are admitted to this Fund by paying 9½ per cent. on a fixed assessment, according to rank. In so doing they receive certain benefits, allowance or pension as the case may be. The schedule may be of some interest. It is allowed on retirement after 30 years continuous service :—

Chief	\$1,500.00	per annum
Deputy Chief	1,200.00	"
District Chief	1,000.00	"
Captains	725.00	"
Lieutenant	650.00	"
Firemen	625.00	"

The cost of operating the Department for 1919 amounted to \$799,700.00, exclusive of the charge for water, which cost the Department \$712,756.00. The total sum expenditure was \$1,591,873.00.

FIRE LOSSES

During the year 1919, service was rendered at 2,536 fires, the adjusted loss being \$1,522,856.00 or per capita \$3.52.

FIRE PREVENTION

Vigorous work is at all times carried on in this branch. Last year some 24,000 inspections were made. Five inspectors are constantly out and particular attention is paid to the mercantile section of the city. The inspectors are experienced fire fighters, specially qualified for this work. In addition to the work of the Fire Prevention Staff, the firemen on actual duty are also given some of this work to perform.

The Department has at its disposal a high pressure system for protecting the wholesale district. A pressure of 300 pounds can be supplied for fire fighting.



Berkeley Street Fire Station



Perth Avenue Fire Station

Compliments of
National Drug & Chemical Co.
LIMITED

240 Richmond Street West
Toronto

Compliments of
PERCY A. McBRIDE

And when you want Sporting
Goods and Bicycles our 343
and 345 Yonge Street Store
is the place to buy these
goods --- then at 406 and
408 Yonge Street for
Bicycles, Motorcycles, Motor-
cycle Accessories, Repairing

Our Western Canada Store
is at 298 Main Street,
Winnipeg, Manitoba

AN INVITATION
is cordially extended to the
VISITING FIRE CHIEFS
to come to

SAUNDER'S

BOWLING
—AND—
BILLIARD
ACADEMY

YONGE AND TEMPERANCE
Entrance at 9 Temperance Street

FREEDOM FROM INVESTMENT WORRIES

The unsurpassed security afforded by Bonds of the Dominion of Canada and her Provinces, and by the Bonds of all well-chosen Municipalities, together with their ready marketability, collateral value and good income return, make them among the most highly regarded securities—undoubtedly the best for those desiring sure returns and freedom from investment worry.

Bring us your investment questions. We may be able to assist you.

A. E. AMES & CO.

Investment
Securities

UNION BANK BLDG. - TORONTO TRANSPORTATION BLDG. - MONTREAL
74 BROADWAY - NEW YORK BELMONT HOUSE - - VICTORIA
HARRIS TRUST BLDG. - CHICAGO

Established
1889

PROGRAMME

for

MONDAY, JULY 26th, 1920

8 A.M. to 11 A.M.

REGISTRATION OF DELEGATES

11 A.M., Invocation by

REV. H. J. CODY, D.D., LL.D.

Address of Welcome

HIS WORSHIP THOMAS L. CHURCH, K.C.

Mayor, City of Toronto

Response

CHIEF A. A. ROZETTA

Memorial Service

Speaker, PETER E. WALSH

Chief Fire Department, Boston, Mass.

2.30 P.M.—BUSINESS SESSION No. 1

8.00 P.M.—BUSINESS SESSION No. 2

8.30 P.M.—BAND CONCERT

Arrangements have been made to furnish Luncheon and Dinner, for the convenience of the Convention, on the grounds

Visiting Fire Chiefs! We extend to you a Hearty Welcome to our Store
Bingham's Ltd., 146 Yonge Street

Add to the pleasure of your Visit
by eating Pure Food at

McConkey's Dairy Lunch

111 Bay Street and 33 Queen Street West

TORONTO

We are ready to supply
the Visiting Fire Chiefs
with Good Food,
well cooked,
at moderate prices,
any time day or night

YOUNG'S LUNCH

177-179 Yonge Street

Toronto

Compliments of

The Dominion Chocolate Co.

LIMITED

Successors to Hooton Chocolate Co., Limited

60 Duchess Street - Toronto

Cleans Dirt and Grease 100% Faster Than Soap

MARVELLO

WONDER CLEANER AND CLEANSER
CLEANS EVERYTHING INSTANTLY

GUARANTEED HARMLESS

ESPECIALLY SUITABLE FOR

CLEANING IN FIRE HALLS

MADE IN CANADA

Universal Sales Company, Limited

Office and Factory: 22 Mark Street, Toronto

MAIN 7718

THE ABOVE CLEANSER USED BY THE TORONTO FIRE DEPARTMENT

Welcome Fire Fighters
to Toronto

Sheffield Lunch, Limited

Cor. Yonge and Adelaide Streets

Good Food, Well Cooked and Quickly Served

We invite the
Visiting Fire Chiefs
to come for a
Comfortable Meal at

Knapp's Restaurant

143 Front Street West

One door East of Union Station

TORONTO

"We will give you good service
and treat you well"

PROGRAMME

for

TUESDAY, JULY 27th, 1920

9.00 A.M.

BUSINESS SESSION No. 3

2.00 P.M.

TESTS OF AUTOMOBILE PUMPING ENGINES

Exhibition Park

2.15 P.M.

BAND CONCERT

8.00 P.M.

INSPECTION OF EXHIBITS

Transportation Building

8.15 P.M.

BAND CONCERT BY MINNEAPOLIS FIRE
DEPARTMENT BAND

Compliments of Fire Chief Ringer

Arrangements have been made to furnish Luncheon and Dinner, for the convenience of the Convention, on the grounds

A Meal in our Glad-Room is sure to bring Pleasant Memories of this Convention
Bingham's Ltd., 146 Yonge Street

Compliments of

Oppenheimer Casing Co.
of Canada, Limited

109 George Street

TORONTO

COMPLIMENTS OF

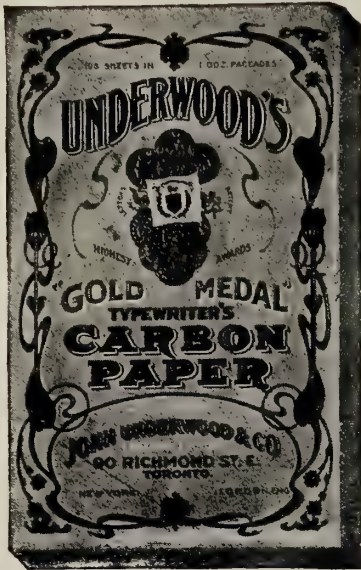
A. Clubb & Sons, Limited

Wholesale and Retail Tobacconists

Head Store and Offices: 10 Wellington Street East

Branches at Royal Bank Building; 472 Spadina Avenue;
6 Danforth Avenue; 445 Yonge Street, Cor. King and
Church Streets; 62 Yonge Street; 95 Bay Street, Toronto

GREETINGS TO THE FIRE CHIEFS



"Gold Medal"
Carbons and Ribbons

We have studied and investigated every variety of machine and type-writing requirement and present "GOLD MEDAL" Carbon and Ribbons as most suited to successfully and economically produce efficient results.

John Underwood & Company

*Manufacturers of Writing Inks
Typewriter Carbons and Ribbons*

90 Richmond Street East

New York

TORONTO

London, Eng

GREETINGS
TO THE

Visiting Fire Chiefs
and Their Associates

FROM

Red Rose Tea Co.

18 Front Street East
Toronto



H. P. ECKARDT & CO.

WHOLESALE GROCERS

CHURCH STREET & ESPLANADE

TORONTO

CANADIAN GOVERNMENT
and
MUNICIPAL BONDS

Wood, Gundy & Company
C.P.R. BUILDING

TORONTO
MONTREAL

SASKATOON
NEW YORK

JOHN STARK & CO.

Financial Brokers

504 ROYAL BANK BUILDING, TORONTO
INSURANCE DEPARTMENT

FIRE ACCIDENT AND HEALTH
FIDELITY AND GUARANTY BONDS
AUTOMOBILE:— Fire, Theft and Transportation
Liability, Property Damage and Collision
Special Fire Insurance Agents for

THE SCOTTISH UNION AND NATIONAL
INSURANCE CO. -- Edinburgh, Scotland

PROGRAMME

for

WEDNESDAY, JULY 28th, 1920

9.00 A.M.

BUSINESS SESSION No. 4

2.00 P.M.

BUSINESS SESSION No. 5

8.00 P.M.

BUSINESS SESSION No. 5

(Continued)

9.00 P.M.

COMMUNITY DANCE

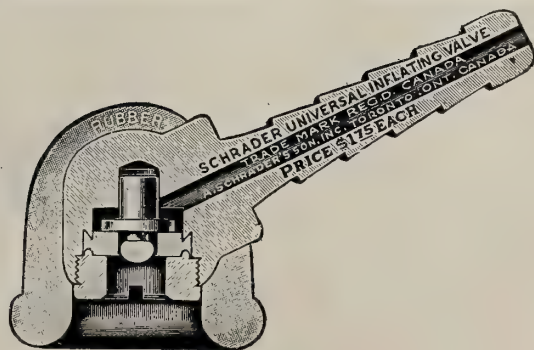
Exhibition Park

Arrangements have been made to furnish Luncheon and Dinner, for the convenience of the Convention, on the grounds

The Folks at Home will sure appreciate a Box of Polly Anna Chocolates from the Home of Better Candies
Bingham's Ltd., 146 Yonge Street



Schrader Universal
No. 1561 Tire Pressure Gauge



Schrader Universal
No. 2869 Angle Inflating Valve

A. SCHRADER'S SON, Inc.

334 KING STREET EAST, TORONTO, CANADA

NEW YORK

CHICAGO

LONDON, ENG.

COMPLIMENTS

OF

Caulfeild, Burns & Gibson
Limited

Wholesale Men's
Furnishings



60-62 Front Street West
Toronto

Compliments of

THE CECILIAN
COMPANY
Limited

Sales Rooms, 247 Yonge Street

Office and Factory, 91 Niagara Street
Toronto

Compliments of

Channell Chemical Company
Limited



369 Sorauren Avenue - - - Toronto

Opportunity will knock at your door

To take advantage of opportunity you must have Capital. Capital is simply small savings added together. The quickest and surest way of saving is by using our Savings Investment System.

We have a little folder describing the System fully. Be sure and write for it.

Bankers Bond Co. Limited

INVESTMENT SECURITIES

60 King Street West, Toronto

Canada Permanent Mortgage Corporation

TORONTO STREET

TORONTO

Established 1855

President.....W. G. GOODERHAM
Vice-President.....R. S. HUDSON
Joint General Managers.....R. S. HUDSON, JOHN MASSEY
Assistant General Manager...GEORGE H. SMITH

Paid-up Capital.....\$ 6,000,000.00
Reserve Fund (earned).....5,750,000.00
Unappropriated Profits.....150,493.28

Capital and Surplus.....\$11,900,493.28
Investments.....\$33,054,238.02

DEPOSITS RECEIVED

DEBENTURES ISSUED

PROGRAMME

for

THURSDAY, JULY 29th, 1920

9.00 A.M.

BUSINESS SESSION No. 6

AFTERNOON AND EVENING

SPECIAL PROGRAMME

Provided for the entertainment of
Delegates and Visitors by

THE TORONTO FIRE DEPARTMENT

Arrangements have been made to furnish Luncheon and Dinner, for the convenience of the Convention, on the grounds

For Luncheon, Dinner, or Afternoon Tea—You'd be Surprised
Bingham's Ltd., 146 Yonge Street

Compliments of

MASON & RISCH
LIMITED

HEAD OFFICE AND
FACTORIES AT
TORONTO

SEE STEWART MANOR

Choice homesites in a restricted
property at reasonable prices

Cox and Cummings, Limited
Sole Agents



"The Mark of Fine Merchandise"

WILLIAM HOLLINS & CO., Limited

The Manufacturers of

"VIYELLA" AND "CLYDELLA"

(Reg'd)

(Reg'd)

UNSHRINKABLE FLANNELS

AS FAVORED BY FIRE FIGHTERS ALL THE WORLD OVER

EXTEND HEARTY GREETINGS TO ALL
THE VISITORS AT THIS CONFERENCE

62 FRONT STREET WEST
TORONTO

45 EAST 17th STREET
NEW YORK

AND AT LONDON, ENG., MELBOURNE, ETC.

Compliments of

Canadian Johns-Manville Co., Limited

Manufacturers of Asbestos Roofings
and All Other Asbestos Products

Montreal Toronto Winnipeg Vancouver
Hamilton London Windsor Ottawa

Mines at Asbestos, Quebec

BODLEY'S

FRUIT CAKE AND FANCY BISCUITS

At All Grocers

ABSOLUTELY THE BEST CLOTHS SOLD IN CANADA

VICKERMAN'S SERGES

WEAR WELL NEVER FADE

Black, Blue, Gray. Smooth or Rough Finish
All Colors Guaranteed



This name on every three yards

NISBET & AULD, Limited

TORONTO

SOLE WHOLESALE DISTRIBUTORS IN CANADA

PROGRAMME

for

FRIDAY, JULY 30th, 1920

9.00 A.M.

REGULAR BUSINESS

2.00 P.M.

REGULAR BUSINESS

(Continued)

Arrangements have been made to furnish Luncheon and Dinner, for the convenience of the Convention, on the grounds

Polly Anna Chocolates—a Box of Gladness—from the Home of Better Candies
Bingham's Ltd., 146 Yonge Street

COMPLIMENTS OF CUTTEN & FOSTER

302 Church Street
TORONTO

AUTO TOPS * BOAT TOPS

AUTO ACCESSORIES

GREETINGS

TO THE

Visiting Fire Chiefs

FROM

EBY-BLAIN, LIMITED

21 FRONT STREET EAST
TORONTO



is depressed. It prevents
inet is tipped forward

A battery of "Fire-Wall" Steel Verticals. The only filing cabinets that provide real protection for their contents. The Safety Drawer Latch, fitted on every drawer, is an ever-watchful guardian against accidental opening. Drawer cannot be opened unless Safety Latch is depressed. It prevents cabinet is tipped forward in a fire.

Reducing the Fire Risks in Office Building

When a blaze gets a good start in an office building it's a hard job to smother it before the building is gutted. Even in the case of that misnomer of modern architecture—the fireproof building—it means a stiff fight, while an "old-timer" sure is a tough proposition. The very nature of the fittings of an office building—the copious wood trimmings and the numerous partitions between offices, the wooden desks and office equipment, the accumulated files of correspondence and the large stacks of stationery supplies—all these are excellent fuel for the hungry fire fiend. Little wonder, then, that you are constantly cautioning the owners and tenants of office buildings against unnecessary fire risks.

"Fire-Wall" Steel Filing Cabinets

have been installed in innumerable offices because of the imperative need for protecting valuable business records from possible destruction by fire. Frequently these installations have resulted from the recommendation of the Fire Department's Inspector of Buildings, although his suggestions are usually made with an eye to the reduction of the fire risks, rather

than from a consideration of record protection. The strong, durable, fire-resisting construction of Fire-Wall Verticals—rigid double walls of steel insulated with asbestos and dead-air channels—these features commend them to the veteran fire-fighter. He knows that their contents will be protected in case of fire and will not serve as added fuel to the flames.

"Office Specialty" Record Safe

The scientific construction of the "Office Specialty" Record Safe (see diagram illustration) gives it the greatest heat resisting powers that engineering skill has been able to build into a movable safe. Experience has proved that a safe of this construction will go through an exceptionally severe fire unscathed.

Come and See Them Demonstrated

"Fire-Wall" Verticals and the Record Safe are on exhibition at our Toronto Branch Store, 97 Wellington St. West. You are cordially invited to visit our Branch and inspect this modern fire-resisting filing equipment.

THE OFFICE SPECIALTY MFG. CO., LIMITED

Home Office NEWMARKET Canada

Filing Equipment Stores at:

Toronto Montreal Ottawa Halifax Hamilton Winnipeg
Regina Calgary Edmonton Vancouver

Manufactured in the United States by Yawman and Erbe Mfg. Co., Rochester, N.Y.



Record Safe has extra heavy doors that interlock with frame flange and seal safe when closed. All walls built of heavy steel plates, erected double, insulated with corrugated and plain asbestos and exceptionally wide dead-air chambers.

OFFICE SPECIALTY
FILING SYSTEMS

TOPICS OF DISCUSSION

1. Organization and Supervision

Chief John F. Healy,
Denver, Colorado,
Chairman

2. Organization and Strength of Companies

Chief William H. Murphy,
Philadelphia, Penn.,
Chairman

3. Fire Department Engineering—to include

Apparatus and Minor Equipment ;
Chief Howard Stanton,
Norwich, Connecticut,
Chairman

4. Drill Schools, Drills and Training

Chief John C. Moran,
Hartford, Connecticut,
Chairman

5. Discussion of Fire Manual

Deputy Chief Thomas F. Dougherty,
New York, N.Y.,
Chairman

6. Building Inspection by Uniformed Members of Fire Departments

Captain John J. Conway,
Cincinnati, Ohio,
Chairman

7. Membership

Chief Hugo R. Delfs,
Lansing, Michigan,
Chairman

8. Location, Design and Construction of Apparatus Houses

Chief Frank G. Reynolds,
Augusta, Georgia,
Chairman

9. Rules, Regulations and Discipline

Chief Charles W. Ringer,
Minneapolis, Minnesota,
Chairman

10. Water Supply; High Pressure System Operation of High Pressure Streams

Chief August Emrich,
Baltimore, Maryland,
Chairman



TO THE MEMBERS OF THE
INTERNATIONAL ASSOCIATION
OF FIRE CHIEFS:

The Government of Ontario, through the Fire Marshal of the Province, bids you "welcome" to its boundaries for your Annual Convention.

The fire fighting forces of the entire Continent have been closely linked together because so many officers and men of Fire Brigades have sacrificed their lives in the recent world's war and which brought out that efficiency and heroism which has been characteristic of their conduct in their daily avocations.

With replenished forces and undiminished energy the fight is now to be renewed on the "fire demon" and your deliberations will not only be watched with interest but with a certainty that your plans and purposes will secure hearty co-operation from a grateful public.

E. P. HEATON,
Fire Marshal

153 University Avenue
Toronto

GEO. F. LEWIS,
Deputy Fire Marshal



With increasing adaptability and concentrated effort, the Fire Fighting Forces of the Continent are directing their enormous power and influence in the direction of "Fire Prevention." No more potent influence can be exerted in this very necessary feature than can be done and is being done, by organized fire brigades. The only ray of hope in a dismal situation is coming from the enlightened action of those who while primarily employed to put fires out, are devoting themselves largely to the task of preventing fires from starting. Herein lies the hope of the future.

E. P. HEATON,
Fire Marshal.

Toronto, June 1st, 1920.

Take home with you
a
SOUVENIR

Sheffield Stainless Steel Cutlery

in DESSERT AND TABLE KNIVES, makes a valuable gift

A SELECTION OF

Jos. Rodgers & Sons and I.X.L.
Penknives and Pocket Knives

Always in stock

Silverware and other Useful Household Novelties

Everything in Hardware

RICE LEWIS & SON
LIMITED

Established 1847 19 VICTORIA STREET Phone M. 4040

**Consumers' Gasoline
Supply Company, Limited**

Extend a Hearty
Welcome to the
Fire Fighters

EIGHT FIREPROOF SERVICE
STATIONS IN TORONTO

*You are cordially invited
to inspect our premises*

Head Office :
542 ST. CLAIR AVENUE WEST

"You will know us by the name"

Compliments of

Andrew Wilson & Co.
Limited

WHOLESALE TOBACCONISTS
and
CIGAR MANUFACTURERS

10 Front Street West
Toronto

Compliments of

Tower Canadian
Limited

1149 KING STREET WEST
TORONTO

FACTS AND FIGURES ABOUT TORONTO

Some of the Reasons for the "Queen City's" World-Wide Notoriety

A city of homes.

Capital of Ontario.

Situated on the north shore of Lake Ontario.

40 miles due north of Niagara Falls.

Population over 500,000.

Assessment, \$642,816,690.

Tax rate (1919), 28½ mills.

Death rate, 11.4 per 1,000.

30 miles from the nearest United States point.

100 miles from Buffalo.

502 miles from Chicago.

546 miles from New York.

334 miles from Montreal, Quebec.

817 miles from St. John, N.B.

1,091 miles from Halifax, N.S.

1,236 miles from Winnipeg, Man.

2,073 miles from Calgary, Alberta.

2,720 miles from Vancouver, B.C.

A one-night ride from any of the centres of population in Central Canada or the Central and Eastern States.

Clearing House returns, \$4,251,644,303.

Telephones, 83,500.

Customs House returns, \$37,812,519.

Inland Revenue Collections, \$3,763,216.

Value of buildings erected, \$19,819,436.

Number of manufacturing establishments, 2,500.

Capital invested, \$259,660,000.

Number of employees, 98,000.

Annual salaries and wages, \$63,460,000.

Annual Value of Products, \$288,460,000.

Home of the largest departmental store in the world—

T. Eaton Co.

Has a 10-mile water-front.

Toronto Harbor Commission spending \$25,000,000 to develop harbor.

Owens its own electric power and lighting plant (Toronto Hydro-Electric System).

Union Station (nearly completed), one of the finest railway stations in the world.

Owens 11 miles of street railway.

City will take over Toronto Street Railway in 1921.

63-mile boulevard under consideration, about 30 miles completed, and total cost estimated to be about \$7,000,000.

Largest public recreation ground in the world (Toronto Island).

There are 60 parks, having an area of 1,837.48 acres.

Home of the Royal Canadian Yacht Club, largest fresh water yacht club in the world.

There are 300 churches in Toronto.

Regatta course, along water-front, is 10 miles long.

Hub of education in Canada.

Toronto University with affiliated colleges, is second to none on the continent.

There are 95 public schools, 10 high schools or collegiates, and the Technical and Commercial High Schools are the largest and most efficient in the Dominion.

There are 31 separate schools.

Toronto Board of Trade has more than 2,000 members, and is the largest institution of its kind in the British Empire.

Five daily newspapers—two evening, three morning.

Toronto is lighted at night by 45,000 Hydro-Electric lights.

The Mayor receives \$7,500.

65,000 men enlisted voluntarily for overseas service.

City's war expenditure amounts to more than \$12,000,000.

Citizens subscribed more than \$8,500,000 to the Patriotic Fund, and more than \$3,000,000 to the Red Cross.



TORONTO CITY HALL

One of the finest specimens of architecture in the British Empire.

For Protection or Investment --- Buy Excelsior Policies



THE EXCELSIOR LIFE
INSURANCE COMPANY
EXCELSIOR LIFE BUILDING, TORONTO

REO

Fighting Fires and Combating Insurance Rates

By installing a REO "Speed-Wagon" Fire Apparatus, the town of East Lansing, Michigan, raised itself a year ago from a Sixth to Fifth Class Fire Risk, and although this equipment has answered less than a dozen alarms, it has more than earned its purchase price by saving the citizens 20% on insurance rates.

It is the first five minutes after the fire has been discovered that determines the fate of the building, and speed being the essence of efficiency, motor fire apparatus has two functions, namely, to fight the fire, and, through its efficiency, to combat high insurance rates.

Full information gladly furnished by

Reo Motor Sales Co.

of Toronto, Limited

593-5 Yonge Street, Toronto

Compliments of Roger Miller & Sons, Limited Contractors

Head Offices : Lumsden Building

Harbor Office :
Harbor Commission Building

Island Office :
Hanlan's Point

Works Office :
Foot of Spadina Avenue

Turning Basin :
Ashbridge's Bay

Facts and Figures About Toronto

(Continued)

126,390 citizens subscribed \$76,256,315 to the 1917 Victory Loan.

204,000 citizens subscribed \$147,000,000 to the 1918 Victory Loan.

\$146,000,000 was subscribed to 1919 Victory Loan.

There are 91 standard hotels in Toronto.

The leading hotels are:

King Edward, capacity, 700; Queen's, capacity, 400; Walker House, capacity, 450; Carls-Rite, capacity, 400; Prince George, capacity, 200.

Automobile centre of Canada.

Mecca of trade and commerce.

Wholesale jobbing centre of Canada.

Second largest city in the Dominion.

Legal and judicial centre of the Province.

Has the finest temperate uniform climate in Canada.

Toronto is the Mecca of tourists, being the centre of embarkation for all the finest summer resorts in Canada.

Muskoka, the Gem of Lakes, is only three and one-half hours' ride from Toronto, and is unsurpassed for its scenic beauty.

The Lake of Bays in the Highlands of Ontario is 'a real haven for a summer's rest.

The city is governed by a Board of Control, composed of the Mayor and four Controllers, all of whom are elected annually; they are assisted by a Council of twenty-four Aldermen, from the eight wards in the City, also elected annually.

City property is valued at over \$20,000,000.

The City Hall is estimated to be worth \$2,500,000.

The site of the city covers 32 square miles.

The first electric cars appeared in Toronto in 1894.

Toronto was founded as a French trading post in 1749.

Toronto's Exhibition Grounds cover an area of 264 acres.

Toronto is the second largest city in Canada.

The principal clubs in Toronto are the York, Toronto, National, Albany and Ontario.

The average increase for the five years previous to the war in Toronto's population has been 25,000.

One of the largest organs in the world is in Toronto. It is in St. Paul's Anglican Church.

Toronto is lighted at night by its own Hydro-Electric system, which is to be largely added to.

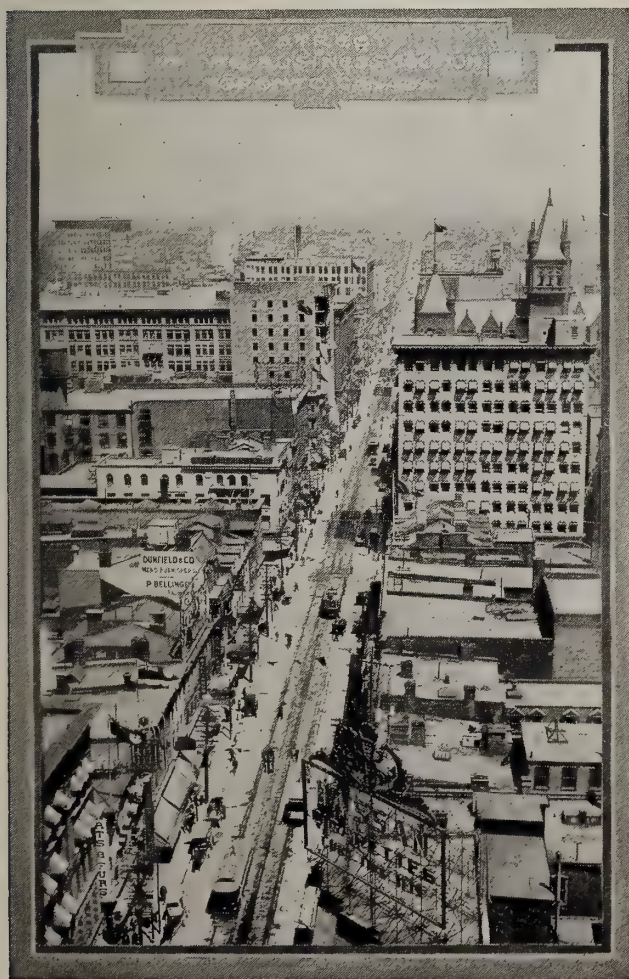
Toronto has 540.70 miles of sewers and a practically completed trunk sewer, costing \$2,500,000.

Toronto has nine public hospitals for the care of the sick. Altogether, there are 65 hospitals, asylums and public homes.

There are five daily newspapers in Toronto, 50 weekly papers, 20 semi-monthly, 76 monthly, 8 quarterly, and one directory company.

The City Hall has a floor space of 5½ acres, is valued at \$2,500,000, has a clock with a diameter of 20 feet, which is 300 feet from the sidewalk.

Each year there is the largest Exhibition on the continent held in Toronto. In 1919, 1,201,000 people attended this Exhibition.



Toronto's skyline is ever changing; never more so than at this the most phenomenal business-building era in the city's history

Royal Bank Building
King and Yonge Streets
Toronto
The highest Office Building
in the British Empire



Compliments of

UNITED DRUG CO.
LIMITED

Manufacturers of

REXALL REMEDIES

JONTEEL TOILET
PREPARATIONS

KLENZO TOOTH PASTE

and

LIGGETT'S CHOCOLATES

GREETINGS!

from the following Toronto Firms and Individuals to each and every one of the Delegates to the Convention of the International Association of Fire Engineers of the World.

The "Queen City" is proud of the honor conferred upon her in your choice of this the Industrial Hub of Canada for your 48th Annual Convention, and here's that all of you may enjoy your visit so much that a "Memory Will Linger."

WE RELY ON OUR FIRE DEPARTMENT TO GIVE YOU A REGAL RECEPTION AND TREAT YOU WELL

Aberdeen Flower Shop.
Acme Cloak & Suit Co., Limited.
Acton Tool & Stamping Works.
Adams Manufacturing Co., Limited, The
Aked & Company, Limited.
Aluminum Specialty Co. of Canada.
Alexander & Cable Lithographing Co. of Toronto, Limited.
American Banknote Company.
American Hat Frame Manufacturing Company.
American Radiator Co. of Canada, Limited.
Anthracite Briquette Company, The
Applegath, Jess.
Archibald & Holmes, Limited.
Armstrong Tea Importing Company.
Aromint Manufacturing Co., Limited.
Ash, H. J.
Atwell, J. & Sons.
Automatic Paper Box Co., Limited.
Automotive Equipment, Limited.
Auto-Strop Safety Razor Co., Limited.
Aziz, J. & A.
Badger, Arthur H.
Baines & David, Limited.
Baldwins' Canadian Steel Corporation, Limited.
Baltimore Lunch.
Barber-Ellis, Limited.
Bauer & Black, Limited.
Beal Bros., Limited.
Beardmore & Company.
Beare, S. B., Limited.
Beasley, William, Company.
Belle Ewart Ice Company.
Benjamin Electric Mfg. Co. of Canada, Limited.
Benson Johnston, Limited.
Best, T. H., Printing Company.
Binnie, A. W., & Company.
Bilton Bros., Limited.
Blatchford Calf Meal Co. of Canada, Limited.
Blachford, Davies & Co., Limited.
Bolte, Auguste.
Bongard, Ryerson & Company.
Booth-Coulter Copper & Brass Company.
Borden-Canadian Company.
Borgfeldt, Geo., & Co., Limited.
Bowes Company, Limited, The.
Bowser, S. F., Co., Limited.
Bradshaw, A., & Son, Limited.
Briar Farm Dairy Limited.
British-American Oil Co., Limited, The.
British American Wax Paper Co., Limited, The.
Broadway Garage Auto Livery.
Brodey, Dralmin & Company.
Brophy Umbrella Co., Limited, The.
Builders' Moulding Co., Limited, The.
Bulmers' (Restaurant), Limited.
Burger Manufacturing Company.
Burry Brothers.

Bury, Robert, & Co. (Canada), Limited.
Cafeterias, Limited.
Cameron & Company.
Canada Furniture Manufacturers, Limited.
Canada Paper Co., Limited.
Canada Showcase Company.
Canada Viavi Co., Limited.
Canadian Ammonia Co., Limited.
Canadian Carbonate Co., Limited.
Canadian Hanson & Van Winkle Co., Limited.
Canadian H. W. Gossard Co., Limited, The
Canadian Laboratory Supplies, Limited.
Canadian Laundry Machinery Co., Limited, The.
Canadian Link-Belt Co., Limited.
Canadian Raincoat Company.
Canadian Sales Check Book Co., Limited.
Canadian Shredded Wheat Co., Limited, The.
Canadian Wood Products, Limited.
Canadian Wool Co., Limited, The.
Cannon Canadian Co., Limited.
Caribonum Company, Limited.
Carlaw, John A.
Carnahan's Drug Stores.
Carswell Construction Company.
Carter, E. T., & Company.
Central Tire Service Company.
Chapman Double Ball Bearing Co. of Canada, Limited, The.
Charcoal Supply Company.
Children's Wear, Limited.
Clark Pressed Metals, Limited.
Clarke Brothers.
Clarkson, E. R. C., & Sons.
Claxton, Thomas, Limited.
Clements Manufacturing Co., Limited.
Clemes Brothers.
Coady Brothers.
Collett Sproule, Limited.
Collins Manufacturing Company, The.
Commercial Printing Company, The.
Consolidated Optical Co., Limited.
Consolidated Plate Glass Co. of Canada, Limited, The.
Consolidated Wafer Co., Limited.
Constructing & Paving Co., Limited.
Consumers' Wholesale Tobacconists and Importers.
Cook, Thomas, & Son.
Cooper Cap Company.
Copeland-Chatterson, Limited.
Corrugated Paper Box Co., Limited, The.
Counter Costume Co., Limited.
Crean, Robert, & Co., Limited.
Crippen, E. A.
Culver, F. L.
Dale Furniture Co., Limited, The.
Darling, Robert, & Company.
Davidson, Thomas, Mfg. Co., Limited.
Davis & Henderson, Limited.
Debenhams (Canada), Limited.

GREETINGS---Continued

- Dental Company of Canada, Limited.
 Denton, Mitchell & Duncan, Limited.
 Diana Sweets, Limited.
 Doherty Mfg. Co., Limited, The.
 Dominion Cloak Company, The.
 Dominion Envelope & Carton Co., Limited.
 Dominion Ostrich Feather Co., Limited.
 Dominion Paper Box Co., Limited.
 Dominion Toy Manufacturing Co., Limited.
 Dominion Waterproof Company.
 Dominion Wheel & Foundries, Limited.
 Dominion Wool Stock Mills, Limited.
 Don Valley Brick Works.
 Dorenwends, Limited.
 Downer Pattern Works, The.
 Dress Essentials, Limited.
 Drug Trading Co., Limited.
 Drury, H. A., Co., Limited.
 Dunham, C. A., Co., Limited.
 Dunlop Coal Co., Limited, The.
 Dunn & Levack, Limited.
 Dyer Fence & Supply Co., Limited.
 Eastern Scale Works.
 Edwards & Edwards.
 Electrical Machinery Co. of Toronto.
 Electric Chain Co. of Canada, Limited, The.
 Elevator Specialty Co., Limited.
 Empire Clothing Manufacturing Company, The.
 Erskine, James B.
 Evans & Gooch.
 Everall, George, Co., Limited, The.
 Factory Products, Limited.
 Fairbairn, R. D., Co., Limited.
 Fee, John J.
 Fiskens, John, & Company.
 Fleming Press.
 Foster-Dack, Limited.
 Fox, Wm. Claude.
 Frankel Brothers.
 Frankel Manufacturing Company.
 Freyseng Cork Co., Limited.
 Gelber Bros., Limited.
 Gilchrist, Jas. T., Lumber Co., Limited.
 Gilchrist, John C., Lumber Co., Limited.
 Gold Medal Furniture Mfg. Company.
 Goldsmiths' Stock Co. of Canada, Limited.
 Goldstein Jewelry Mfg. Co., Limited, The.
 Gordon Mackay & Co., Limited.
 Goulding, G., & Sons.
 Gourlay, Winter & Leeming, Limited.
 Gowans, Kent & Co., Limited.
 Graham's Cafe.
 Granatstein, M., & Sons of Toronto, Limited.
 Grand & Toy, Limited.
 Grant, George W., & Company.
 Gray Ball Bearing Co., Limited, The.
 Green Brothers (Interior Woodworkers).
 Green Parrot Tea Room.
 Greey, Wm. & J. G.
 Gregg, G. R., & Co., Limited.
 Grinnell, T., & Son.
 Guardian Realty Co. of Canada, Limited.
 Gundy-Clapperton Co., Limited.
 Gunther, E. & A. Co., Limited.
 Halls, Fred. W., Paper Co., Limited.
 Hamilton, W. B., Shoe Co., Limited.
 Hamm & Riley Silk Co., Limited.
 Harris Lithographing Co., Limited, The.
 Hawthorne, D. D., & Company.
 Hayhoe, R. B., & Company.
 Heintzman, Gerhard Co., Limited.
 Heintzman & Co., Limited.
 Hendry, Geo. M., Co., Limited, The.
 Hepburn, John T., Limited.
 Hertel, John A., Company.
 Hiscott Dermatological Institute.
 Hodgson, H.
 Hogg & Lytle, Limited.
 Hood-Sandham Company.
 Hopkins Auto Top Renew Company.
 Hoyt Metal Company.
 Hudson-Parker, Limited.
 Humphrey, F. W.
 "Hunt" (Confectioner).
 Hutchison, Alexander & Company.
 Hynes, W. J., Limited.
 Ideal Vulcanizing & Tire Company.
 Imperial Guarantee & Accident Insurance Co. of Canada.
 Imperial Optical Company.
 Independent Cordage Co., Limited.
 Inglis, John Co., Limited.
 Interlake Tissue Mills Co., Limited.
 International Varnish Co., Limited.
 Irving Umbrella Co., Limited, The.
 Irvin Lumber Co., Limited, The.
 Italian Mosaic & Marble Co. Canada, Limited.
 Ivey, John D., Co., Limited.
 Jacobi, Philip.
 Japanese Novelty Store.
 Johnson, J. P., & Son.
 Johnston, D. J.
 Johnston, H. B., & Company.
 Johnston, W. R., & Co., Limited.
 Jones & Moore Electric Co., Limited.
 Kendle, J., & Company.
 Kennedy Hardware Co., Limited, The.
 Kennedy, J. H.
 Kent-McClain, Limited.
 Kerr Brothers.
 Kinneer, T., & Company.
 Kleiser, Albert, & Co., Limited.
 Lake of the Woods Milling Co., Limited.
 Lake Simcoe Ice Supply Co., Limited, The.
 Lalor, John M.
 La Monte, Geo., & Son, Limited.
 Laura Secord Candy Studio.
 Lawrason-Doughty Company.
 Leadlay, E., & Company.
 Leishman, Wm. H., & Co., Limited.
 Lester Storage & Cartage Co., Limited, The.
 Levi's Waste Paper Company.
 Lewis, W. H.
 Lister, R. A., & Co. (Canada), Limited.
 Little Dutch Inn.
 Lowe Bros., Limited.
 Lumbers, James, Co., Limited.
 Luxfer Prism Co., Limited.
 Lyman Bros. & Co., Limited, The.
 Lyon & James, Limited.
 Lytle, T. A., Co., Limited, The.
 Mable Todd & Company.
 Macdonald, John, & Co., Limited.
 Macdonald & Fyte.
 Macdougall, A. R., & Co., Limited.
 Maclure & Langley, Limited.
 Maldaver & Co., Limited.
 Malloy & Bryan's Cooperage, Limited.
 Masco Co., Limited, The.
 Matthews, A., Limited.
 Matthews Bros., Limited.
 Matthews, W. D., & Company.
 McCann, Wm., Plating Company.
 McCormack & Carroll.
 McElroy Manufacturing Co., Limited.
 McFarlane Manufacturing Company.
 McGovern, T. J.
 McIndoe, R. S.
 McKechnie, John.
 McKinnon, S. F., & Co., Limited.
 McKnight, J. H., Construction Co., Limited.
 McLain, Louis, Co., Limited, The.
 McLean, E. L., Limited.
 McLeod, George J., Limited.
 McLeod, R. G.
 Melhuish, Arthur E., V. S.
 Merchants' Clothing Company.
 Messerveys, Limited.
 Michie & Co., Limited.
 Mickle, Dymont & Son.
 Might Directories, Limited.
 Miller, Roy.
 Miller, T. N., & Son.
 Monteith, George, Fur Company, The.
 Monypenny Bros. & Company.

GREETINGS---Continued

Morrow Cereal Company.
 Morton, David, & Sons, Limited.
 Muirhead, A., Co., Limited.
 Musson, George, & Company.
 Myers, J. Everard.
 National Cabinet Company.
 National Electric Heating Co., Limited.
 National Mattress Felt & Batting Company.
 National Trust Co., Limited.
 Nitro Electric Company.
 Northway, John, & Son, Limited.
 Norton Tool & Machine Co., Limited.
 Ontario Case & Store Fixture Company.
 Ontario Oil & Turpentine Co., Limited.
 Ontario Showcase Company.
 Ontario Soap & Oil Company.
 O'Reilly, T. E., Limited.
 O'Torrance & Company.
 Palmolive Company of Canada, Limited, The.
 Parsons, C., & Son, Limited.
 Pascoe's Upstairs Clothes Shop.
 Patrick, W. G., & Co., Limited.
 Patterson & Heward.
 Pendrith, John G., Company.
 Perrin, Wm. R., Limited.
 Phillips, W. R., & Company.
 Pike, D., Co., Limited, The.
 Policy Holders Mutual Life Insurance Company.
 Polusterine Products Co. of Canada.
 Porcelain Products, Limited.
 Porter, W. A., & Company.
 Port Hope Sanitary Mfg. Co., Limited.
 Pott's Pattern Works.
 Pratt Food Co. of Canada, Limited.
 Price, Walter Ward.
 Puddy Bros., Limited.
 Pugh Specialty Co., Limited.
 Pullan, E.
 Queen City Glass Co., Limited.
 Quinn & Hisey.
 Radcliff Saw Mfg. Co., Limited.
 Randall & Johnston, Limited.
 Rastall Lumber Co., Limited, The.
 Raw, J. Frank, Limited.
 Rawlinson, Lionel, Limited.
 Read Bros., Limited.
 Regal Paper Box Co., Limited.
 Reid, A. T., Co., Limited.
 Reid & Brown Structural Steel & Iron Works, Limited.
 Reid & Company.
 Reliable Furniture Co., Limited.
 Reliance Motor & Tool Co., Limited.
 Republic Flow Meters Co. of Canada, Limited.
 Ridout & Strickland, Limited.
 Ritchie, H. P., & Company.
 Robertson Bros., Limited.
 Robins, Limited.
 Rogers' Electric Co., Limited.
 Roofers Supply Co., Limited.
 Rose & O'Hearn.
 Ross, Fred. H., & Co., Limited.
 Rudd Paper Box Co., Limited.
 Russill Hardware Company, The.
 St. Clair, H. J. Co., Limited.
 St. Lawrence Underwriters Agency.
 Salada Tea Co. of Canada, Limited.
 Sale, Julian, Leather Goods Co., Limited.
 Salisbury Electric Co., Limited.
 Samuel, M. & L. Benjamin, & Company.
 Samuels, J.
 Samuels, J., & Sons.
 Scheuer, Edmund, Limited.
 Schnauffer, A. F., Co., Limited, The.
 Scott Knitting Company.
 Scott & Bowne.
 See & Smith Motors, Limited.
 Shaw's Business Schools.
 Shurly & Derrett, Limited.
 Simpson Planing Mill Co., Limited.
 Sinclair, Valentine & Hoops, Limited.
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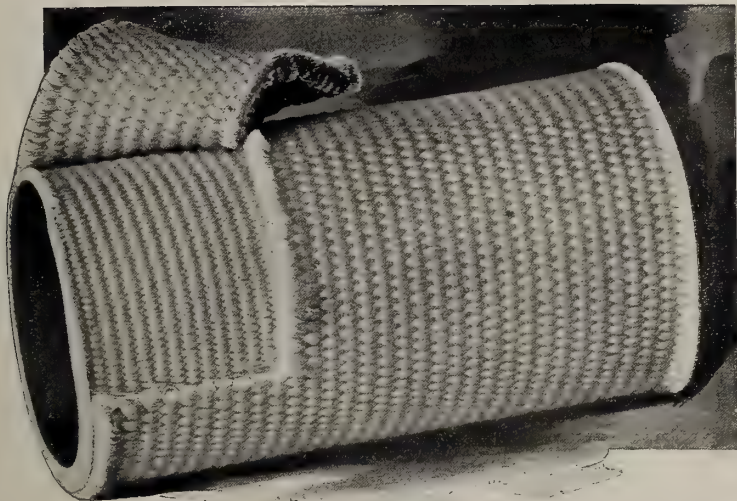
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with their resiliency, give to a car that buoyancy which adds comfort, lengthens its life and makes for easier steering. The staunch cords, laid side by side and separately wrapped in a protecting coat of high-grade elastic rubber, make a construction tremendously tough and strong. The heavy demand, far in advance of our fondest expectations, tells the story of the service Dunlop "Cord" Tires are delivering to-day.

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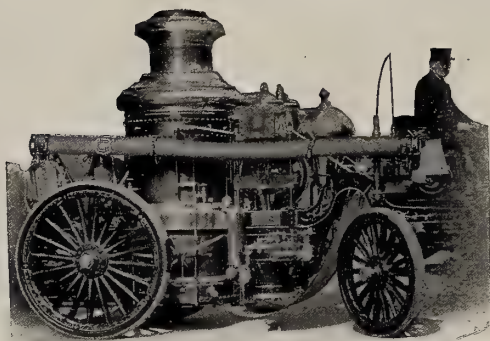
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Firemen like using Goodyear Fire Hose because it stands up so well.

Its smooth inner bore is protected by the thick firm walls of the laminated rubber tube which in turn is so treated that it becomes inseparable from the strong outer cotton jacket.

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Goodyear Solid Truck Tires are designed of quality rubber, solid from the base to the broad flat tread, giving ample road contact.

On lighter trucks where speed is the greatest factor, Goodyear Pneumatic Cord Truck Tires are the logical equipment.

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Help the firemen to prevent dangerous conflagrations by supplying them with Goodyear Fire Hose and equipping the fire trucks with Goodyear Solid Rubber and Goodyear Pneumatic Cord Truck Tires.



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FIRE APPARATUS GIVES
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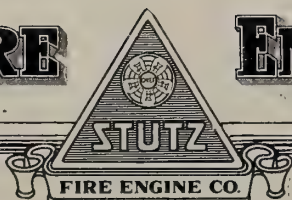


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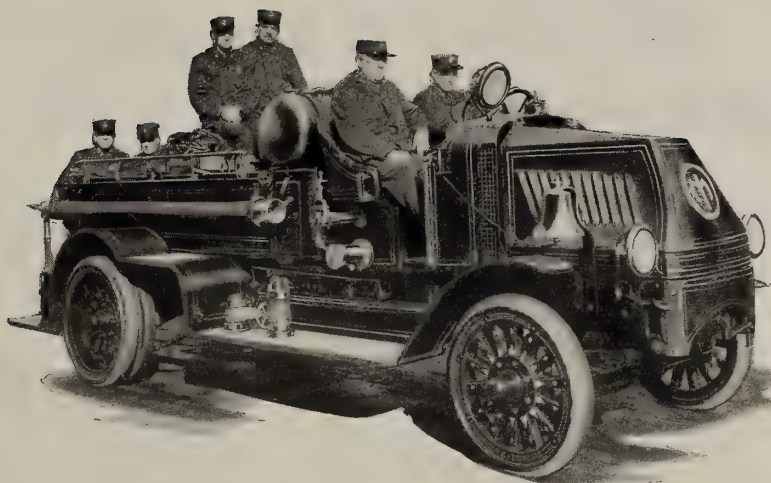
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Combination Chemical and Hose Cars, Hook and Ladder Trucks, Tractors, Hose Wagons, Fire Department Wreckers, Motor Pumping Engines. Full information on request.

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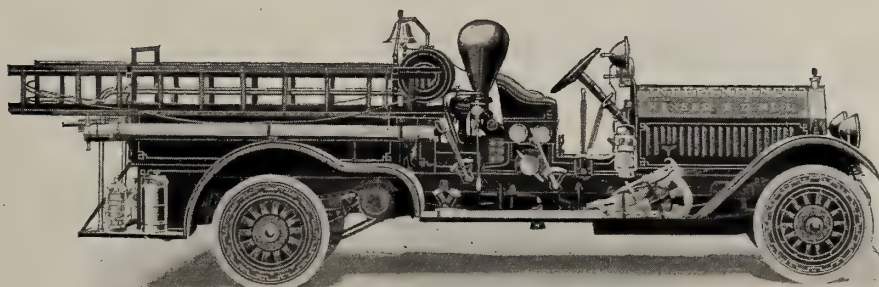
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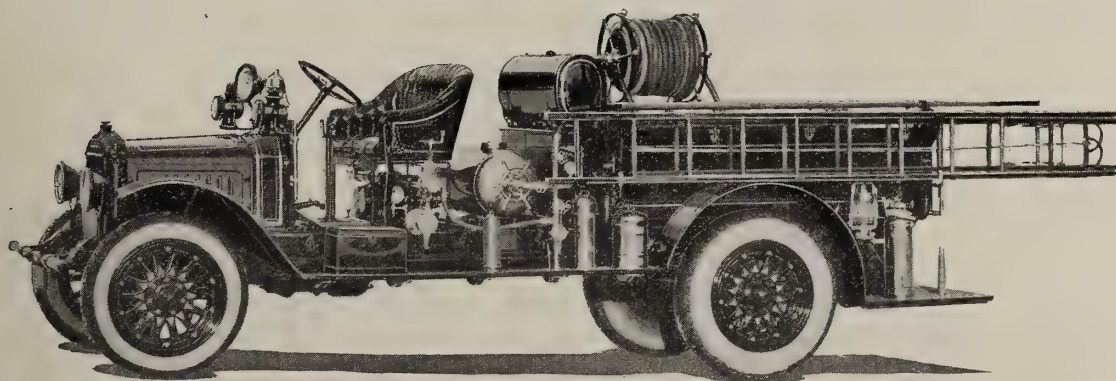
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Size - 2½ ton only

Capacities, 300 - 350 - 600 gallons

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Sizes, 2½ ton - 3½ ton

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Fire Trucks will be exhibited and officially tested.

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Centrifugal Pumping Engines a Specialty

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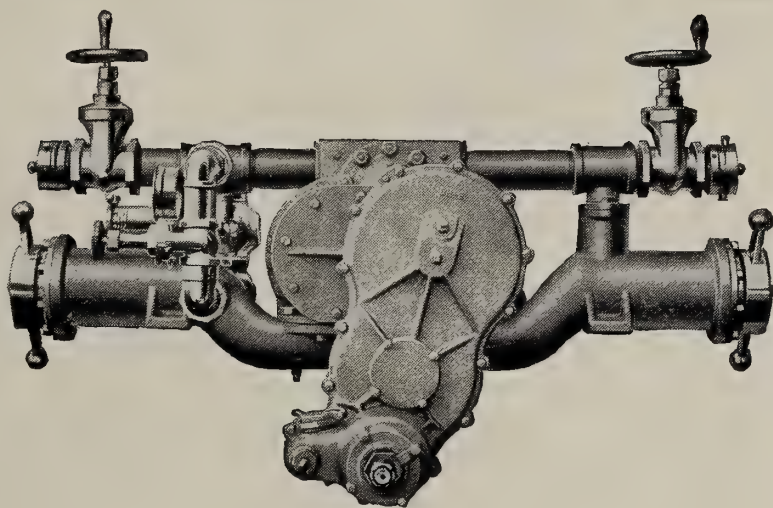
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Northern Rotary Fire Pumps

Will deliver more gallons per minute per horsepower than any other pump



A comparison of guaranteed capacities with horsepowers will prove our statements

Can be Installed on any Truck



You can purchase Northern Rotary Fire Pumps on new apparatus from your local Commercial Truck Dealer, or pumps complete for installation on chassis you already have in service, from our Canadian Sales Representatives or direct from us. Send for our new pump catalogue which tells why the Northern Rotary will deliver more gallons per horsepower than any other pump.

Our booklet, "Northern Commercial Fire Trucks" tells why so many cities are using Commercial Chassis, Northern equipped, in their Fire Departments. We have reserved a copy for you. Write for it to-day.

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PHONE MAIN 707

A BOX A BLOCK

The Standard for Fire Alarm Boxes



THREE score years ago the Fire Alarm Telegraph was invented, but it was only during the past few years that it has begun to get the attention that it deserves. Chiefs who formerly asked for three or four boxes a year are now asking for ten and twenty *and getting them*. Chiefs who formerly were satisfied if there were a fire alarm box near a school or hospital are now insisting that every school house, every hospital, every theatre and every moving picture house must have a fire alarm box, *and they are getting them*.

Chiefs have set up A BOX A BLOCK as the standard for fire alarm signalling. They are educating the city officials to the value of fire alarm signalling, and these cities are slowly but surely approaching this standard.

In this work we are glad to help. We are willing at all times to send booklets and circular matter to city officials and anyone else when the chiefs feel they are influential in this matter. Simply ask one of our agents or the home office to work with you and we shall be pleased to give you the co-operation which has been so successful with other chiefs. This same whole-hearted co-operation is also available to assist chiefs who now have no systems to get one.



The Gamewell Fire Alarm Telegraph Company
 NEWTON UPPER FALLS, MASS.

Compliments of

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Compliments of

The London Mutual Fire
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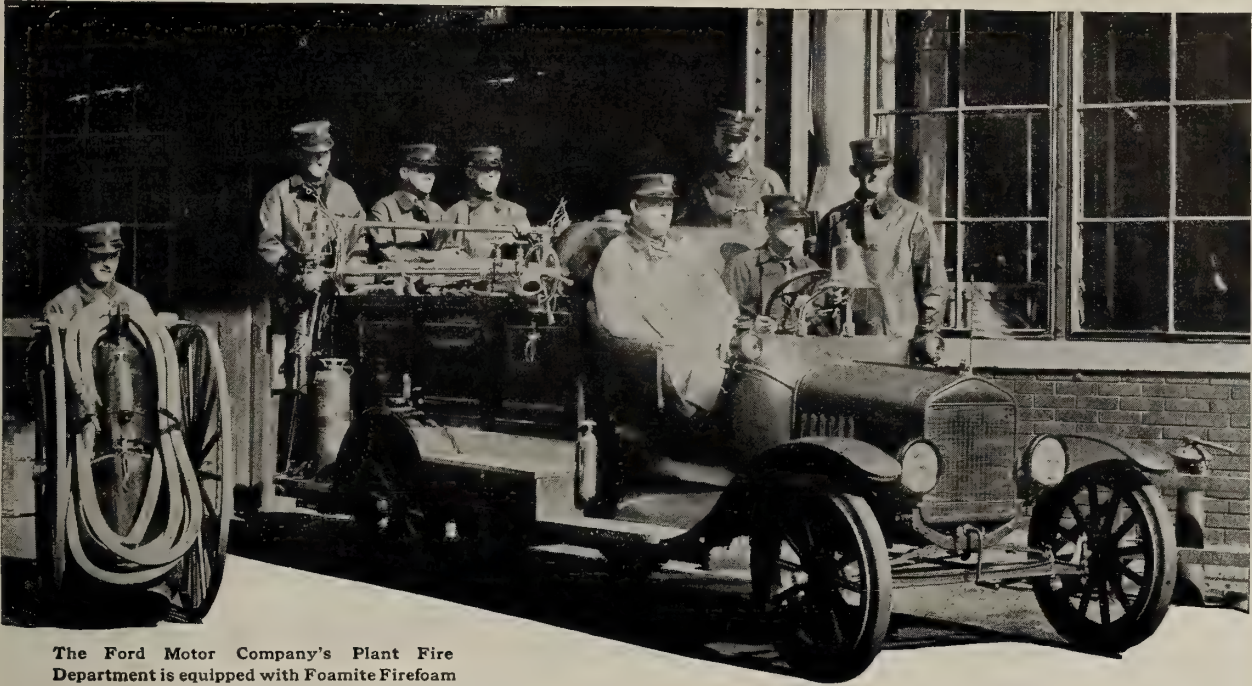
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Your Problem

THE last ten years has seen an enormous increase in the use of inflammable materials in every industry, in every town and city.

Danger spots—oils, paints, varnishes, chemicals—have called for a new invention for fighting fires—*Foamite Firefoam*.

Firefoam is a fire-smothering, fire-extinguishing foam which covers all burning objects like a blanket. It puts out fire quicker than other extinguishing agents, and *prevents re-ignition*. It coats and clings to all surfaces, and floats on even the most inflammable liquids. It is effective against every kind of fire. Unlike water, it does not damage.

The Foamite Firefoam Company will be glad to arrange fire-fighting demonstrations at any

time during the convention. Such demonstrations will show you the efficiency and quick action of Firefoam on every type of fire. They will convince you that Firefoam has a place in your permanent fire department equipment.

Firefoam is rapidly revolutionizing fire-fighting. It masters every kind of fire—even blazing oil. It makes fire-fighting easier and reduces the risk to life and limb which attends almost every big fire. Have you recommended Firefoam on the extra hazardous risks within your jurisdiction?

Do you want to know about this new fire-fighting agent? Firemen who have seen Firefoam in action have said: "At last here is something real".

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The Fire

The Grinnell
Automatic Sprinkler HeadThe Grinnell Head
in Action

When the Fire Starts— the Water Starts! and the Fire Goes Out

That's the story in a nutshell
of the Grinnell Sprinkler Head.

With Grinnell Automatic Sprinkler Protection this is just what happens. A series of distributing pipes carry water to every nook and corner of the building. Every ten feet is a heat operated sprinkler head which holds back the water. When the fire starts, the heat starts. When the heat starts, the water starts. When the water starts, the fire goes out!

It is a one, two, three and out proposition. In just this order fires are putting themselves out every day and have been doing so for thirty-five years, until now over 30,000 officially reported successes are recorded.

The Grinnell Automatic Sprinkler System has for more than a quarter of a century been recognized as the greatest of fire protection agencies. Over forty million sprinkler heads have already been installed. They safeguard property valued at over five billions of dollars. So great is their efficiency in finding fire and putting it out without any human aid, that the insurance companies are able to reduce premium rates 40 to 90 per cent. wherever sprinkler systems are installed. Our estimates and proposals are free. Ask for them.



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Complete Engineering and Construction Service on Automatic Sprinklers
Industrial Piping, Heating and Power Equipments. Fittings, Pipe, Valves



After the day's work--
freshen up with Lifebuoy

It makes a wash up after a day's work a refreshing delight. Its pure velvety lather means absolute cleanliness—its antiseptic qualities help the quick healing of cuts and bruises you may get while on duty. Besides being cleansing and soothing, Lifebuoy is a sure disinfectant. The mild carbolic agent present means no germs—and the odor vanishes in a few seconds.

Lifebuoy Health Soap means a clean healthy skin—and every man wants that.

All Grocers sell Lifebuoy

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THE NEPTUNE METER COMPANY, LIMITED

Send their Heartiest Greetings
to the Great Fire Fighters
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be a
Pleasant
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Beneficial One

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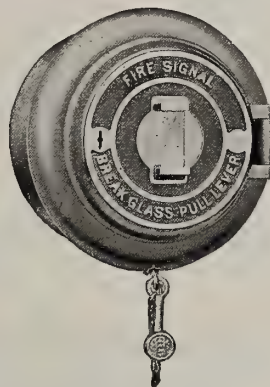
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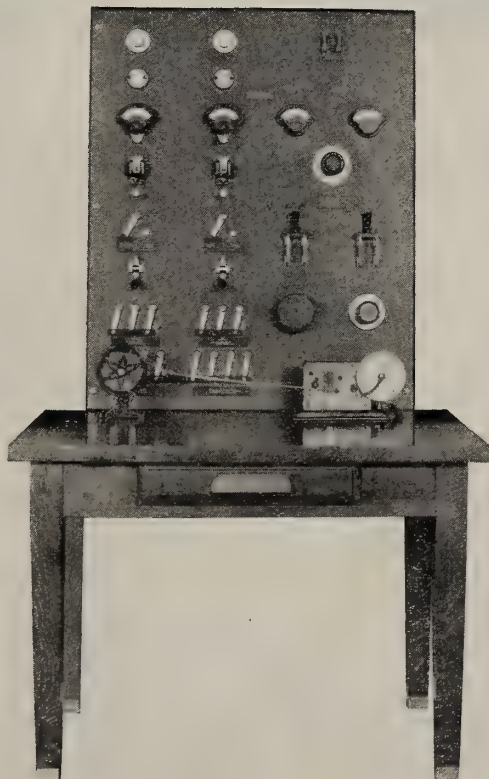
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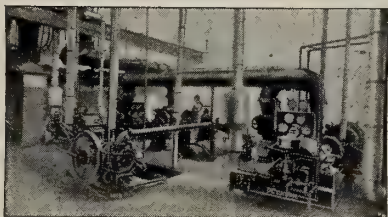
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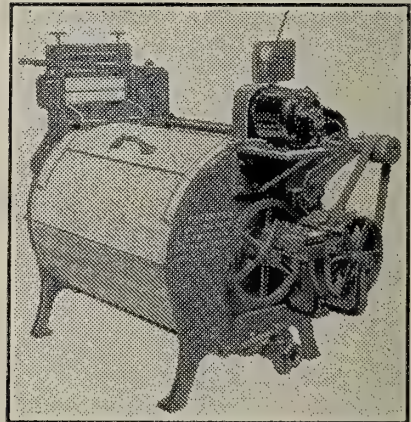
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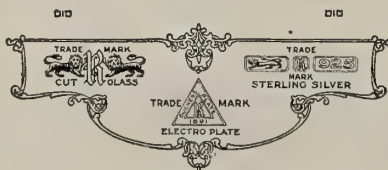
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Capital Paid Up	- - -	4,425,000
Total Annual Income Exceeds	-	64,000,000
Total Funds Exceed	- - -	174,000,000

(As at 31st December, 1918)

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Commercial Union Building - Montreal
W. S. JOPLING, Manager

Toronto Office - 49 Wellington Street East

GEO. R. HARGRAFT,
General Agent for Toronto and County of York

Palatine Insurance Company

OF LONDON, ENGLAND Limited
(As at 31st December, 1918)

Capital Fully Paid	\$1,000,000
Total Income	3,462,515
Total Funds	6,062,500

N.B.—In addition to the above there is the further guarantee of the Commercial Union Assurance Company Limited, whose funds exceed \$174,000,000

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THE ELDEST SON	Archibald Marshall
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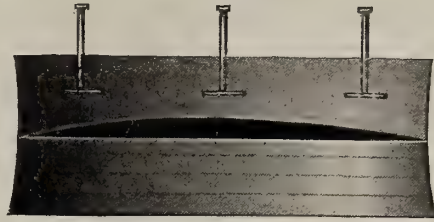
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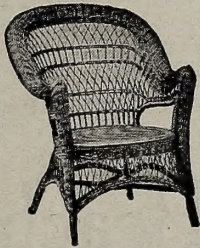
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